

Pays As You Go, LLC v. Cloudera, Inc.
Exhibit 2 to the Complaint

**U.S. Patent No. US 7,013,127 v. Cloudera
Claim 1 is exemplary**

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1. Claim Chart

Claim	Analysis			
<p>[1.P] A method for affecting payment of telecommunication services, comprising:</p>	<p>Cloudera Inc. (“Company”) performs and/or induces others to perform a method for affecting payment of telecommunication services.</p> <p>This element is infringed literally, or in the alternative, under the doctrine of equivalents.</p> <p>For example, Company provides Cloudera Data Platform (CDP) cloud-native services that allow users to only pay for the services (“payment of telecommunication services”) that are used by the users in a particular period.</p> <div style="border: 2px solid red; padding: 5px; text-align: center;"> <p>Cloudera Data Platform pricing</p> <p>Cloud-native services to secure and manage the data lifecycle in any cloud or data center.</p> </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding-bottom: 10px;"> Industry standard Pricing metrics align with norms for cloud-based consumption and subscription for data management and analytics. </td> <td style="width: 33%; text-align: center; padding-bottom: 10px;"> Updates and support CDP Public and Private Cloud offerings include enterprise-grade technical support as well as version, maintenance, and security updates. </td> <td style="width: 33%; text-align: center; padding-bottom: 10px;"> Hybrid cloud rates Public Cloud hourly rates and Private Cloud annual subscriptions are aligned for hybrid cloud and multi-cloud flexibility. </td> </tr> </table> <p>Source: https://www.cloudera.com/products/pricing.html</p>	Industry standard Pricing metrics align with norms for cloud-based consumption and subscription for data management and analytics.	Updates and support CDP Public and Private Cloud offerings include enterprise-grade technical support as well as version, maintenance, and security updates.	Hybrid cloud rates Public Cloud hourly rates and Private Cloud annual subscriptions are aligned for hybrid cloud and multi-cloud flexibility.
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	<p style="text-align: center;">Cloudera Enterprise</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 10px;"> <p>Pay-as-you-go pricing</p> <p>Reduce cost by utilizing transient clusters, and pay only for the time your workload is running.</p> </td><td style="width: 33%; padding: 10px;"> <p>Work against cloud-native storage</p> <p>Run fast batch jobs with Hive and Spark against data in common object storage.</p> </td><td style="width: 33%; padding: 10px;"> <p>Grow and shrink on demand</p> <p>Elastically scale your cluster, then shrink or terminate as business demands and SLAs change.</p> </td></tr> </table> <p>Source: https://kr.cloudera.com/products/data-science-and-engineering/data-engineering.html</p>		<p>Pay-as-you-go pricing</p> <p>Reduce cost by utilizing transient clusters, and pay only for the time your workload is running.</p>	<p>Work against cloud-native storage</p> <p>Run fast batch jobs with Hive and Spark against data in common object storage.</p>	<p>Grow and shrink on demand</p> <p>Elastically scale your cluster, then shrink or terminate as business demands and SLAs change.</p>
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<p>[1.1] monitoring a user's use of the telecommunication services at regular time intervals;</p>	<p>Further, to the extent this element is performed at least in part by Defendant's software source code, Plaintiff shall supplement these contentions pursuant to production of such source code by the Defendant.</p> <p>Company performs and/or induces others to perform the step of monitoring a user's use of the telecommunication services at regular time intervals.</p> <p>This element is infringed literally, or in the alternative, under the doctrine of equivalents.</p>				

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	<p>For example, CDP public cloud provides per Cloudera compute unit (CCU) pricing model, where, based upon an hourly rate of the cloud services availed by the user (“monitoring a user’s use of the telecommunication services”), a monthly (“at regular intervals”) invoice is generated.</p> <table border="1"> <tbody> <tr> <td style="background-color: #f2f2f2;"> <h3>Data Engineering</h3> <p>Develop, schedule, monitor, and debug data pipelines to streamline ETL processes quickly & securely.</p> <p>Core: \$0.07/CCU All-Purpose: \$0.20/CCU*</p> <p>Hourly rate Learn more ></p> </td><td style="background-color: #f2f2f2;"> <h3>Data Warehouse</h3> <p>Deploy data warehouses with secure, self-service access to enterprise data.</p> <p>\$0.07/CCU Hourly rate Learn more ></p> </td><td style="background-color: #f2f2f2;"> <h3>Operational Database</h3> <p>Develop future-proof applications that deliver unparalleled scale, performance, and reliability.</p> <p>\$0.08/CCU Hourly rate Learn more ></p> </td></tr> <tr> <td style="background-color: #f2f2f2;"> <h3>Machine Learning</h3> <p>Provide collaborative ML workspaces with secure, self-service access to enterprise data.</p> <p>\$0.20/CCU** Hourly rate Learn more ></p> </td><td style="background-color: #f2f2f2;"> <h3>Data Hub</h3> <p>Easily manage clusters running Apache Spark, Hive, Impala, HBase, Phoenix, Kafka, Flink, and more.</p> <p>\$0.04/CCU** Hourly rate Learn more ></p> </td><td style="background-color: #f2f2f2;"> <h3>Flow Management on Data Hub</h3> <p>A premium Data Hub service to ingest, transform and manage streaming data, powered by Apache NiFi.</p> <p>\$0.15/CCU Hourly rate Learn more ></p> </td></tr> </tbody> </table>			<h3>Data Engineering</h3> <p>Develop, schedule, monitor, and debug data pipelines to streamline ETL processes quickly & securely.</p> <p>Core: \$0.07/CCU All-Purpose: \$0.20/CCU*</p> <p>Hourly rate Learn more ></p>	<h3>Data Warehouse</h3> <p>Deploy data warehouses with secure, self-service access to enterprise data.</p> <p>\$0.07/CCU Hourly rate Learn more ></p>	<h3>Operational Database</h3> <p>Develop future-proof applications that deliver unparalleled scale, performance, and reliability.</p> <p>\$0.08/CCU Hourly rate Learn more ></p>	<h3>Machine Learning</h3> <p>Provide collaborative ML workspaces with secure, self-service access to enterprise data.</p> <p>\$0.20/CCU** Hourly rate Learn more ></p>	<h3>Data Hub</h3> <p>Easily manage clusters running Apache Spark, Hive, Impala, HBase, Phoenix, Kafka, Flink, and more.</p> <p>\$0.04/CCU** Hourly rate Learn more ></p>	<h3>Flow Management on Data Hub</h3> <p>A premium Data Hub service to ingest, transform and manage streaming data, powered by Apache NiFi.</p> <p>\$0.15/CCU Hourly rate Learn more ></p>
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<p>[1.2] communicating results of said monitoring to a telecommunication services provider, wherein said telecommunication services provider processes said results and communicates</p>	<p>Source: https://www.cloudera.com/products/pricing.html (annotated)</p> <p>Further, to the extent this element is performed at least in part by Defendant's software source code, Plaintiff shall supplement these contentions pursuant to production of such source code by the Defendant.</p> <p>Company performs and/or induces others to perform the step of communicating results of said monitoring to a telecommunication services provider, wherein said telecommunication services provider processes said results and communicates processed results to said user.</p> <p>This element is infringed literally, or in the alternative, under the doctrine of equivalents.</p> <p>For example, the CDP provides a feature of CDP accounts where the users can access the services and view their monthly invoices ("processed results"). Therefore, it would be apparent to a person having ordinary skill in the art that the monthly bill is generated by the CDP services provider ("said telecommunication services provider processes said results") after monitoring the usage of the services ("results of said monitoring"), which is then reflected in the users' CDP accounts ("communicates processed results to said user").</p>

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processed results to
said user; and

CDP accounts

A CDP account (sometimes called a CDP tenant) is the management console where users log in to access their services. A CDP account contains one or more CDP environments.

CDP Accounts

Physically, all management consoles run in a shared infrastructure (the Cloudera Control Plane). Each management console has a unique ID and is logically isolated from other CDP accounts. For example, if you have two CDP accounts, you cannot view the resources in account 2 if you are logged into account 1. Each CDP account, including sub-accounts, has a separate invoice.

Source: <https://docs.cloudera.com/management-console/cloud/overview/topics/mc-cdp-accounts.html>
(annotated)

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	<p>Further, to the extent this element is performed at least in part by Defendant's software source code, Plaintiff shall supplement these contentions pursuant to production of such source code by the Defendant.</p>
[1.3] receiving a payment from the user, the payment obtained from a payment transaction wherein: a payment is received from the user at a point-of-sale together with an account identifier, data indicative of the payment transaction is received from the point-of-sale by the telecommunication services provider, and an amount of money equal to the amount of payment is received from a point-of-sale proprietor by the telecommunication services provider.	<p>Company performs and/or induces others to perform a step of receiving a payment from the user, the payment obtained from a payment transaction wherein: a payment is received from the user at a point-of-sale together with an account identifier, data indicative of the payment transaction is received from the point-of-sale by the telecommunication services provider, and an amount of money equal to the amount of payment is received from a point-of-sale proprietor by the telecommunication services provider.</p> <p>This element is infringed literally, or in the alternative, under the doctrine of equivalents.</p> <p>For example, after the monthly invoice is generated in the CDP account ("account identifier"), the user pays the bill ("receiving a payment from the user") for the availed services. Therefore, upon information and belief, the payment for the invoice is received by the telecommunication services provider from the user at a point-of-sale and an amount of money equal to the amount of payment is received from a point-of-sale proprietor by the telecommunication services provider.</p> <p>CDP accounts ————— Account identifier</p> <p>A CDP account (sometimes called a CDP tenant) is the management console where users log in to access their services. A CDP account contains one or more CDP environments.</p> <p>CDP Accounts</p> <p>Physically, all management consoles run in a shared infrastructure (the Cloudera Control Plane). Each management console has a unique ID and is logically isolated from other CDP accounts. For example, if you have two CDP accounts, you cannot view the resources in account 2 if you are logged into account 1. Each CDP account, including sub-accounts, has a separate invoice.</p> <p>Source: (annotated)</p>

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	<p>A CDP account can have one or more identity providers. Each identity provider is connected to one SAML provider, which in turn is connected to an Active Directory. A CDP account can be connected to multiple Azure Active Directory organizations (via identity provider) and multiple subscriptions. Cloudera creates one CDP account per customer; you can create additional CDP accounts through a manual approvals process.</p> <p>For example, the "Cloudera CDP Demos" account is connected to:</p> <ul style="list-style-type: none">• 3 identity providers, each connected to an LDAP Server via SAML:<ul style="list-style-type: none">◦ Corporate OKTA, so that anybody with a cloudera.com email can log in (as long as they are entitled).◦ An LDAP server used for workshops, so that we can provision temporary users without having to go through corporate account lifecycle management.◦ An LDAP server hosting demo users, so that we can create new personas on demand for demo scenarios.• Multiple Azure subscriptions; one per budget item (Sales, Product Management, Services, Tradeshow Demos etc.).• This allows different groups to host their own demos and pay for them using their own cloud account. <p>Source: https://docs.cloudera.com/management-console/cloud/overview/topics/mc-cdp-accounts.html</p> <p>Further, to the extent this element is performed at least in part by Defendant's software source code, Plaintiff shall supplement these contentions pursuant to production of such source code by the Defendant.</p>
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2. List of References

1. <https://www.cloudera.com/products/pricing.html>, last accessed on 19th February 2024.
2. <https://docs.cloudera.com/management-console/cloud/overview/topics/mc-cdp-accounts.html>, last accessed on 19th February 2024.
3. <https://kr.cloudera.com/products/data-science-and-engineering/data-engineering.html>, last accessed on 19th February, 2024.
4. <https://www.cloudera.com/products/pricing/cdp-public-cloud-service-rates.html>, last accessed on 19th February, 2024.